Fall 2014 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| ST0020 Sutter Maintenance Yard East-West | Overall LMA Rating | Total LMA Miles | | | | | | |
|--|------------------------|---------------------|----------------|-------------|---------|---------------------------------|---------------------------------|---------|
| Interceptor | U | 4.79 | | | | | | |
| | _ | Maintena | nce Deficiancy | | Enforc | ement | Design & System Obsolescence | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | <u> </u> | | | <u> </u> | | | | |
| Vegetation | 2.88 | | 2.88 | 60.11% | 0.02 | | | |
| Encroachments | 0.25 | | 0.25 | 5.22% | 0.12 | 0.03 | | |
| Erosion / Bank Caving | 0.43 | 0.03 | 0.55 | 11.48% | | | | |
| Rivers, Channels & Designated Floodways | | | | | | | | |
| Erosion / Bank Caving | | 0.01 | 0.04 | 0.83% | | | | |
| LMA Totals: | 3.56 | 0.04 | 3.72 | 77.65% | 0.14 | 0.03 | 0.00 | 0.00 |
| Unit No. 01 West Levee RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0020 | U | 1.75 | | | | | | |
| D / 11/2 | Maintenance Deficiancy | | | Enforcement | | Design & System Obsolescence | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Vegetation | 0.45 | | 0.45 | 25.78% | 0.02 | | | |
| Encroachments | | | | | 0.02 | | | |
| Erosion / Bank Caving | | 0.03 | 0.12 | 6.87% | | | | |
| Rivers, Channels & Designated Floodways | | | l | | | T | | |
| Erosion / Bank Caving | | 0.01 | 0.04 | 2.29% | | | | |
| Unit Totals: | 0.45 | 0.04 | 0.61 | 34.94% | 0.04 | 0.00 | 0.00 | 0.00 |
| Unit No. 02 East Levee LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0020 | U | 3.05 | | | | | | |
| Detect to a | | Maintena | nce Deficiancy | | Enforc | ement | Design 8 Obsole | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Vegetation | 2.43 | | 2.43 | 79.80% | | | | |
| Encroachments | 0.25 | | 0.25 | 8.21% | 0.10 | 0.03 | | |
| Erosion / Bank Caving | 0.43 | | 0.43 | 14.12% | | | | |
| Unit Totals: | 3.11 | 0.00 | 3.11 | 102.13% | 0.10 | 0.03 | 0.00 | 0.00 |

LMA District Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) | | | | |
|--|--|------------------------------|-----------------------------|---------------------------------|--|--|--|--|
| * Overall LMA Rating (Fall Only) | | | U | | | | | |
| | ** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating | | | | | | | |
| * SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall. FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk. | | | | | | | | |
| Comments | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles |
|------------------------|-------|------------|
| Unit No. 01 West Levee | Right | 1.75 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|-------------------------------------|--|---------------------------|--|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 03/20/2014 - 03/20/2014 | | 11/25/2014 - 11/25/2014 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Steve Beckley Sutter Maintenance Yard | | Steve Beckley Sutter Maintenance Yard | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | | Rating ** | Α | Issue No. | | 9 | |
|-----------|--------------------------|----------------|---------|------------|--------|--------------|---|
| LM End | | Issue Type + | Ma | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atituc | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Operations & Maintenance | | | | 0 | | 0 |
| пеш | Manuals | | | 0 | | 0 | |
| DWR ID | DWR_NA0 | 020_01_s _ 201 | 3_9 | | | | |
| | | Action/ | Comme | nts | | | |
| Inspector | Comments | : The LMA ha | s the O | &M manuals | 3. | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

Rating ** Issue No. LM Start Α 10 Location * WS Issue Type + Ma LM End Earthen Levee GPS Latitude/Longitude Category Start End **Emergency Supplies &** Item Equipment DWR NA0020 01 s 2013 10 DWR ID Action/Comments Inspector Comments: The LMA has adequate flood fight supplies and

No Photos

No Photos

Rating ** Issue No. LM Start Α 11 LM End Issue Type + Ma Location * WS Earthen Levee GPS Latitude/Longitude Category Start End Flood Preparedness & Training Item

DWR_NA0020_01_s _ 2013_11 Action/Comments

Inspector Comments: The LMA completed flood fight training in 2014.

equipment.

DWR ID

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 0.00 | Rating ** | М | Issue No. | | 5 |
|---------------------------------|-----------|------------------------|----|------------|------|---------------|
| LM End | 0.13 | Issue Type + | Ma | Location * | LS | |
| Category | .evee | GPS Latitude/Longitude | | | | |
| Calegory | | | | | End | |
| Item | Vegetatio | n | | 39.1715 | 77 ° | 39.171543 ° |
| пеш | | | | -121.7600 | 19 ° | -121.758291 ° |
| DWR ID DWR_NA0020_01_s _ 2012_5 | | | | | | |
| Action/Comments | | | | | | |

Remove the wild growth other than native grasses from the levee slopes.

No Photos

| LM Start | 0.00 | Rating ** | М | Issue No. | | 7 | |
|---------------------------------|-----------|--------------|-------|------------|--------|--------------|---|
| LM End | 0.32 | Issue Type + | Ma | Location * | WS | | |
| Earthen Levee | | | | GPS La | atitud | le/Longitude | |
| Category | | | Start | | End | | |
| Item | Vegetatio | n | | 39.1715 | 77 ° | 39.171481 | 0 |
| item | | | | -121.7600 | 19 ° | -121.754826 | 0 |
| DWR ID DWR_NA0020_01_s _ 2012_7 | | | | | | | |
| Action/Comments | | | | | | | |

Remove the wild growth other than native grasses from the levee slopes.

Photo 1 of 1 : FA_2014_ST0020_213_7_20141013_00005.jpg



View of the vegetation along the w/s toe.

| LM Start | 0.23 | Rating ** | М | Issue No. | | 2 |
|---------------------------------|--------------------------------|--------------|----|------------|--------|--------------|
| LM End | 0.25 | Issue Type + | En | Location * | CR | |
| Catagori Earthen Levee | | | | GPS La | atitud | le/Longitude |
| Category | gory | | | | | End |
| ltom | Vegetatio | n | | 39.1714 | 18 ° | 39.171408 ° |
| пеш | Item -121.755963 ° -121.755578 | | | | | |
| DWR ID DWR_NA0020_01_s _ 2012_2 | | | | | | |
| Action/Comments | | | | | | |

Landscaping



View of the cactus and pine trees along the waterside berm.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable
A/W: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 0.30 | Rating ** | М | Issue No. | | 22 | |
|-----------------|----------|----------------|--------|------------|--------------|---------------|--|
| LM End | 0.30 | Issue Type + | En | Location * | CR | | |
| Earthen Levee | | | GPS La | titud | le/Longitude | | |
| Calegory | Category | | | Start | | End | |
| Item | Encroach | ncroachments | | | 59 ° | 39.171459 ° | |
| item | | | | -121.7551 | 04 ° | -121.755104 ° | |
| DWR ID | DWR_NA0 | 020_01_f _ 201 | 3_22 | | | | |
| Action/Comments | | | | | | | |
| Tree or lim | ıb | | | | | | |

No Photos

Rating ** Issue No. LM Start 0.36 23 Location * Issue Type + En CR LM End 0.36 Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 39.171450° 39.171450° Item -121.754058° -121.754058 DWR ID DWR NA0020 01 f 2013 23 Action/Comments **Prunings**



View of the tree limbs and debris on the w/s berm.

| LM Start | 0.62 | Rating ** | U | Issue No. | | 4 | |
|---|---------------------------------|--------------|------------------------|-------------|-----|---------------|--|
| LM End | 0.65 | Issue Type + | Ma | Location * | | WS | |
| Catagoni Earthen Levee | | | GPS Latitude/Longitude | | | | |
| Calegory | Category | | | Start | | End | |
| Item | Erosion / Bank Caving | | | 39.171292 ° | | 39.171232 ° | |
| пеш | | | | -121.74886 | 8 ° | -121.748175 ° | |
| DWR ID | DWR ID DWR_NA0020_01_s _ 2012_4 | | | | | | |
| Action/Comments | | | | | | | |
| Schedule repair of erosion site prior to the next inspection. | | | | | | | |



View of the erosion along the concrete ditch on the waterside slope.

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 0.63 | Rating ** | Α | Issue No. | | 102 | | | | | | |
|-----------------------------------|-----------------------|-----------------------------|-------|------------------------|------|-------------|--|------------|--|--------------------------|--|----|
| LM End | 0.63 | 0.63 Issue Type + Ma Locati | | Location * | | Location * | | Location * | | sue Type + Ma Location * | | WS |
| Cotogony | Earthen Levee | | | GPS Latitude/Longitude | | | | | | | | |
| Category | | | Start | | End | | | | | | | |
| Item | Erosion / Bank Caving | | | 39.17132 | 29 ° | 39.171329 | | | | | | |
| item | | | | -121.74823 | 35 ° | -121.748235 | | | | | | |
| DWR ID DWR_ST0020_01_s _ 2014_102 | | | | | | | | | | | | |
| Action/Comments | | | | | | | | | | | | |

Note and monitor erosion site.



View of the repaired erosion along the w/s ditch.

| LM Start | 0.88 | Rating ** | С | Issue No. | | 8 | |
|---------------------------------|------------------------|--------------|-------|------------------------|------|---------------|--|
| LM End | 0.88 | Issue Type + | Ma | Location * | | WS | |
| Catagory | Catagori Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | | Start | | End | | |
| Item | Erosion / | Bank Caving | | 39.1713 | 35 ° | 39.171335 ° | |
| item | | | | -121.744039 ° | | ° -121.744039 | |
| DWR ID DWR_NA0020_01_s _ 2012_8 | | | | | | | |
| Action/Comments | | | | | | | |

Note and monitor erosion site.

No Photos

| LM Start | 0.92 | Rating ** | С | Issue No. | | 12 | | |
|------------------------|-----------|----------------|------------------------|---------------|--|-------------|---|--|
| LM End | 1.01 | Issue Type + | Ma | Location * | | WS | | |
| Category Earthen Levee | | | GPS Latitude/Longitude | | | | | |
| Calegory | | | | Start | | End | | |
| Item | Erosion / | Bank Caving | | 39.171329° | | 39.171310 | 0 | |
| пеш | | | | -121.742385 ° | | -121.741178 | 0 | |
| DWR ID | DWR_NA0 | 020_01_f _ 201 | 2_12 | | | | | |
| Action/Comments | | | | | | | | |

Note and monitor erosion site.

No Photos

| * Location | ** Rating | | + Issue Type |
|-------------------------------------|--------------------------|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS : Water Side | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement |

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 1.03 | Rating ** | С | Issue No. | | 14 | | |
|------------------------|----------------------------------|--------------|-------|------------------------|-----|---------------|--|--|
| LM End | 1.07 | Issue Type + | Ma | Location * | | LS | | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | | | |
| Calegory | | | Start | | End | | | |
| Item | Erosion / Bank Caving | | | 39.17131 | 4 ° | 39.171300 ° | | |
| пеш | | | | -121.74099 | 4 ° | -121.740173 ° | | |
| DWR ID | DWR ID DWR_NA0020_01_s _ 2013_14 | | | | | | | |
| Action/Comments | | | | | | | | |
| Note and r | monitor ero | sion site. | | | | | | |

No Photos

Rating ** Issue No. LM Start 1.16 С 13 WS Issue Type + Ma Location * LM End 1.24 Earthen Levee GPS Latitude/Longitude Category Start End Erosion / Bank Caving 39.171271° 39.171252 ° Item -121.738194° -121.736868 DWR NA0020 01 f 2012 13 DWR ID Action/Comments

No Photos

Rating ** Issue No. LM Start 1.67 1.67 Issue Type + Location * WS LM End Rivers, Channels & GPS Latitude/Longitude Category Designated Floodways Start End Erosion / Bank Caving 39.171128 39.171128° Item -121.729235 -121.729235 DWR_NA0020_01_s _ 2012_6 DWR ID Action/Comments

Inspector Comments: Sutter Yard needs to repair the channel.



View of the erosion along the waterside slope.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Note and monitor erosion site.

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles |
|------------------------|------|------------|
| Unit No. 02 East Levee | Left | 3.05 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|-------------------------------------|--|---------------------------|--|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 03/24/2014 - 03/24/2014 | | 11/25/2014 - 11/25/2014 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Steve Beckley Sutter Maintenance Yard | | Steve Beckley Sutter Maintenance Yard | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 0.00 | Rating ** | М | Issue No. | | 11 |
|----------------------------------|-----------|--------------|------------------------|------------|------|---------------|
| LM End | 0.26 | Issue Type + | Ма | Location * | | LS |
| Catagonia Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | | | Start End | | |
| Item | Vegetatio | n | | 39.1711 | 16 ° | 39.171101 ° |
| пеш | | | | -121.7265 | 01 ° | -121.721857 ° |
| DWR ID DWR_NA0020_02_s _ 2012_11 | | | | | | |
| Action/Comments | | | | | | |

Remove the wild growth other than native grasses from the levee slopes.

No Photos

| LM Start | 0.25 Rating ** M | | Issue No. | | 12 | |
|------------------------|---------------------------------|--------------|-----------|------------------------|---------------|-------------|
| LM End | 0.25 | Issue Type + | En | Location * | WS | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | |
| Calegory | | Start | | End | | |
| Item | Encroachments | | | 39.1711 | 07 ° | 39.171107 ° |
| пеш | | | -121.7220 | 69 ° | -121.722069 ° | |
| DWR ID | VR ID DWR_NA0020_02_s _ 2012_12 | | | | | |
| Action/Comments | | | | | | |

Garbage

Inspector Comments: Tires

Photo 1 of 1 : FA_2014_ST0020_214_12_20141013_00008.jpg



View of the tires along the W/S toe.

Photo 1 of 1 : FA_2014_ST0020_214_9_20141013_00006.jpg

| LM Start | 0.26 | Rating ** | М | Issue No. | | 9 |
|----------|--------------------------|------------------------|----------|------------|------------|-----|
| LM End | 0.26 | Issue Type + | En | Location * | LS | |
| Category | evee | GPS Latitude/Longitude | | | | |
| Calegory | | | | Start | | End |
| Itom | Encroach | | 39.17110 |)1 ° | 39.171101° | |
| пеш | -121.721856 ° -121. | | | | | |
| DWR ID | DWR_NA0020_02_s _ 2012_9 | | | | | |
| | Action/Comments | | | | | |

Debris



View of the debris along the L/S toe.

*Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

* Issue Type

Ma: Maintenance Deficiancy

Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 0.55 Rating ** M | | Issue No. | | 2 | | |
|---------------------------------|-------------------------|------------------------|-----------|------------|------|---------------|--|
| LM End | 2.72 | Issue Type + | Ma | Location * | WS | | |
| Category | evee | GPS Latitude/Longitude | | | | | |
| Calegory | | Start | | End | | | |
| ltom | Vegetation | | | 39.1710 | 02 ° | 39.170507 ° | |
| пеш | Item . | | | | | -121.676212 ° | |
| DWR ID DWR_NA0020_02_s _ 2012_2 | | | | | | | |
| | Action/Comments | | | | | | |

Remove the wild growth other than native grasses from the levee

Inspector Comments: Remove the vegetation from both slopes.



View of the vegetation on both slopes.

| LM Start | 1.43 | Rating ** | М | Issue No. | | 3 | | |
|----------|-----------------|----------------|-----|------------|--------|---------------|--|--|
| LM End | 1.55 | Issue Type + | Ма | Location * | LS | | | |
| Category | Earthen Levee | | | GPS La | atitud | e/Longitude | | |
| Calegory | | | | Start | | End | | |
| Item | Encroachments | | | 39.1707 | 82 ° | 39.170817 ° | | |
| пеш | | | | | 67 ° | -121.698203 ° | | |
| DWR ID | DWR_NA0 | 020_02_s _ 201 | 2_3 | | | | | |
| | Action/Comments | | | | | | | |
| Debris | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Photo 1 of 1 : FA_2014_ST0020_214_3_20141013_00002.jpg



View of the piles of broken concrete next to the levee.

| LM Start | 1.54 Rating ** M | | Issue No. | | 4 | |
|---------------------------------|-----------------------|----------------------|-----------|------------|-------------|---------------|
| LM End | 1.93 | 1.93 Issue Type + Ma | | Location * | WS | |
| Earthen Levee | | | GPS La | titud | e/Longitude | |
| Category | alegory | | | | | End |
| Item | Erosion / Bank Caving | | | 39.17080 | 00 ° | 39.170702 ° |
| пеш | tem | | | |)5 ° | -121.690788 ° |
| DWR ID DWR_NA0020_02_s _ 2012_4 | | | | | | |
| | Action/Comments | | | | | |

Note and monitor erosion site.



View of the erosion along the waterside slope.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 1.82 | Rating ** | М | Issue No. | | 25 | |
|----------|---------------------------|--------------|-------|------------|--------|---------------|--|
| LM End | 1.89 | Issue Type + | En | Location * | LS | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Encroach | ments | | 39.1708 | 01 ° | 39.170794° | |
| item | | | | -121.6925 | 91 ° | -121.691355 ° | |
| DWR ID | DWR_ST0020_02_s _ 2014_25 | | | | | | |
| | | Action/ | Comme | nts | | | |
| Prunings | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the tree prunings along the landside slope.

| LM Start | 1.92 | Rating ** | М | Issue No. | | 5 |
|------------------------|--------------------------|--------------|------------|------------------------|-------------|-----------|
| LM End | 2.04 | Issue Type + | Ma | Location * | LS | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | |
| Calegory | Salegory | | | | Start | |
| Item | Encroachments | | | 39.17110 |)4 ° | 39.171104 |
| item | | | -121.71888 | 30 ° | -121.718876 | |
| DWR ID | DWR_NA0020_02_s _ 2012_5 | | | | | |
| Action/Comments | | | | | | |
| Equipmon | 4 | | | | | |

Equipment



View of the equipment and buildings next to the landside berm.

| | I | | | | | |
|-----------------|------------------------|------------------|------|------------|------|---------------|
| LM Start | 1.93 | 1.93 Rating ** U | | Issue No. | | 26 |
| LM End | 1.93 | Issue Type + | En | Location * | | CR |
| Category | Catagory Earthen Levee | | | | | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Encroachments | | | 39.1707 | 43 ° | 39.170743 ° |
| itein | | | | -121.6906 | 44 ° | -121.690644 ° |
| DWR ID | DWR_ST0 | 020_02_s _ 201 | 4_26 | | | |
| Action/Comments | | | | | | |
| Pipe | | | | | | |
| | | | | | | |



View of the unauthorized pipe going through the crown of the levee.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

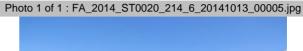
Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 1.95 Rating ** M | | Issue No. | | 6 | | |
|---------------------------------|-------------------------|-----------------------|------------------------|------------|------|-------------|---|
| LM End | 1.98 | Issue Type + | Ма | Location * | LS | | |
| Catagonia Earthen Levee | | | GPS Latitude/Longitude | | | | |
| Category | | | | Start | | End | |
| Item | Erosion / | Erosion / Bank Caving | | | 75 ° | 39.170775 | ٥ |
| item | | | | -121.6912 | 52 ° | -121.691255 | ٥ |
| DWR ID DWR_NA0020_02_s _ 2012_6 | | | | | | | |
| Action/Comments | | | | | | | |

Note and monitor erosion site.





View of the erosion along the W/S slope.

| LM Start | 1.97 | Rating ** | U | Issue No. | | 27 | |
|----------------------------------|---------------|--------------|----|------------------------|------|-------------|---|
| LM End | 1.97 | Issue Type + | En | Location * | CR | | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start | | End | |
| Item | Encroachments | | | 39.1707 | 77 ° | 39.170777 | 0 |
| item | | | | -121.6898 | 20 ° | -121.689820 | 0 |
| DWR ID DWR_ST0020_02_s _ 2014_27 | | | | | | | |
| Action/Comments | | | | | | | |

Pipe

Photo 1 of 1: FA_2014_ST0020_214_27_20141013_00013.jpg



View of the unauthorized pipe going through the crown of the levee.

| LM Start | 2.02 Rating ** M | | Issue No. | | 17 | | | |
|----------------------------------|-----------------------|--------------|-----------|------------|------------------------|---------------|--|--|
| LM End | 2.02 | Issue Type + | Ma | Location * | WS | | | |
| Cotogony | Earthen Levee | | | | GPS Latitude/Longitude | | | |
| Category | | | | Start | | End | | |
| Item | Erosion / Bank Caving | | | 39.17075 | 6 ° | 39.170756 ° | | |
| пеш | | | | -121.68984 | 11 ° | -121.689841 ° | | |
| DWR ID DWR_NA0020_02_s _ 2013_17 | | | | | | | | |
| Action/Comments | | | | | | | | |

Note and monitor erosion site.



View of the erosion caused by the unauthorized pipe.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East-West Interceptor

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05 | 11/25/2014 11/25/2014 | Bob Duffey |

| LM Start | 2.02 | Rating ** | U | Issue No. | | 18 | |
|----------------------------------|---------------|--------------|----|------------------------|----|--------------|--|
| LM End | 2.02 | Issue Type + | En | Location * | | WS | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | | |
| Calegory | | Start | | End | | | |
| Item | Encroachments | | | 39.170756 | 3° | 39.170756 ° | |
| item | | | | 121.689840 | ° | 121.689840 ° | |
| DWR ID DWR_NA0020_02_s _ 2013_18 | | | | | | | |
| A stice /Comments | | | | | | | |

Action/Comments

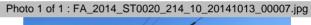
Pipe

Inspector Comments: View of an unauthorized pipe going through the crown of the levee.



View of the unauthorized pipe going through the crown of the levee.

| LM Start | 2.71 | Rating ** | М | Issue No. | 10 | | _ |
|-----------------|----------------------------------|--------------|-----------|------------------------|-------------|-----------|---|
| LM End | 2.71 | Issue Type + | Ma | Location * | LS | | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start | | End | |
| Item | Encroachments | | | 39.1705 | 48 ° | 39.170548 | 0 |
| item | | | -121.6759 | 70 ° | -121.675970 | 0 | |
| DWR ID | DWR ID DWR_NA0020_02_s _ 2012_10 | | | | | | |
| Action/Comments | | | | | | | |
| Material | | | | | | | |
| | | | | | | | |
| | | | | | | | |





View of material, garbage & equipment along the L/S toe.

Photo 1 of 1: FA_2014_ST0020_214_1_20141201_00015.jpg

| LM Start | 2.95 | Rating ** | М | Issue No. | | 1 | | | |
|----------|---------------------------------|--------------|----|------------|------------------------|-------------|---|--|--|
| LM End | 2.95 | Issue Type + | En | Location * | LS | | | | |
| Category | Earthen Levee | | | | GPS Latitude/Longitude | | | | |
| Calegory | | | | Start | | End | | | |
| Item | Encroachments | | | 39.17059 | 3° | 39.170598 | 0 | | |
| пеш | tem | | | | 7 ° | -121.671807 | 0 | | |
| DWR ID | DWR ID DWR_ST0020_02_f _ 2014_1 | | | | | | | | |
| | Action/Comments | | | | | | | | |

Material

Inspector Comments: Remove the concrete from the landside toe.



View of the concrete along the landside toe.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |